

1   **CLAIMS CLEAN COPY**

1   Claim 1 (once amended). Apparatus for obtrusively obtaining a blood sample from an  
2   intruder at a crime scene to be later analyzed for DNA, said apparatus comprising:

3           a blood-extracting needle for penetrating the skin of said intruder;

4           a blood-collecting reservoir connected to said needle;

5           a first chamber:

6           means for mounting said needle on said first chamber:

7           means for mounting said reservoir in said first chamber:

8           means for holding an initial vacuum in said first chamber.

9           a cylindrical casing having a cylindrical interior;

10                  said first chamber being slidably mounted in said cylindrical interior;

11           a facing at a first end of said casing and having a center hole for receiving said  
12   needle;

13           a coil spring positioned adjacent to the interior side of said facing;

14           retaining means for securing said coil spring in a normally loaded mode;

15           means for propelling said needle and the connected said reservoir into contact  
16   with an intruder;

17           means responsive to said contact for inserting said needle into said intruder; and

18           means including said coil spring responsive to a maximum penetration of said  
19   needle into said intruder for extracting said needle and for ejecting said needle and  
20   associated reservoir a substantial distance from said intruder.

1   Claim 4. Apparatus in accordance with claim 1, further comprising:

2           an extension collar attached to said facing for receiving said needle;

3           said collar comprising an elongate rearward-extending rod;

4           said means for holding an initial vacuum in said first chamber comprising

5                  an entrance to the interior of said first chamber facing said rod;

6                  and a plug inserted in said first chamber entrance;

7           said rod punching out said plug as said first chamber travels toward said rod

8   following said contact with said intruder thereby releasing said vacuum and reducing

9   pressure in the space occupied by said spring and said collar.

1    Claim 5. Apparatus in accordance with claim 4, further comprising:  
2            an extension disposed on the exterior of said first chamber;  
3            said extension being in alignment with said coil spring retaining means;  
4            whereby forward movement of said first chamber shears said retaining means  
5    thereby releasing said spring and ejecting said first chamber said reservoir and said  
6    needle from said casing.

1 Claim 6. (new) Apparatus for obtrusively obtaining a blood sample from an intruder at a  
2 crime scene (to be later analyzed for DNA, said apparatus comprising:

3 a launching device comprising a barrel;

4 a projectile assembly housed in said barrel and comprising

5 a cylindrical casing;

6 a first chamber slidably mounted in said casing and containing

7 a blood-extracting needle for penetrating the skin of a said

8 intruder; and

9 a blood-collecting reservoir connected to said needle;

10 means responsive to a triggering mechanism associated with said launching

11 device for propelling said projectile assembly from said barrel and into contact with an  
12 intruder;

13 said contact causing said first chamber with its said needle to exit said casing by  
14 its forward momentum and insert said needle into said intruder for drawing blood into  
15 said reservoir; and

16 means responsive to a maximum penetration of said needle into said intruder for  
17 extracting said needle and for ejecting said first chamber and its said needle and  
18 associated reservoir a substantial distance from said intruder.

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